

# Converting Colors

Yxy(73.3148, 0.3944, 0.5211)

Have a look what the booklet for  
Yxy(73.3148, 0.3944, 0.5211)  
contains.

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**Color**

**Yxy(73.0205, 0.3945, 0.5210)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDEC14
RGB	205, 236, 20
RGB Percent	80%, 93%, 8%
CMY	0.1962, 0.0745, 0.9214
CMYK	0.13, 0.00, 0.92, 0.07
HSL	69°, 85%, 50%
HSV	69°, 92%, 93%
XYZ	55.2910, 73.0205, 11.8431
YIQ	202.1070, 50.8600, -73.7480

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	20, 236, 51
Decimal	13495316
CIE Lab	88.46, -32.86, 84.63
CIE LCh	88, 90.784, 111.219
Yxy	73.0205, 0.3945, 0.5210
Android (android.graphics.Color)	4291685396 (0xFFCDEC14)
YUV	202.1070, -89.7788, 2.5372
Hunter-Lab	85.4520, -34.0443, 51.5992

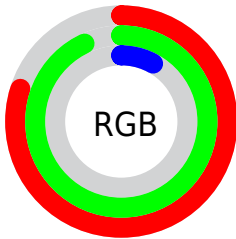
# Details

The Yxy color **73.0205, 0.3945, 0.5210** is a light color, and the websafe version is hex **CCFF33**.

The color can be described as light washed yellow. A complement of this color would be **7.2651, 0.1613, 0.0699**, and the grayscale version is **59.6818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **38.7535, 0.3864, 0.5314** is the 20% darker color. If you saturate the color by 10%, you get **72.5672, 0.3938, 0.5255**, and if you desaturate by 10%, it is **73.6401, 0.3934, 0.5122**.

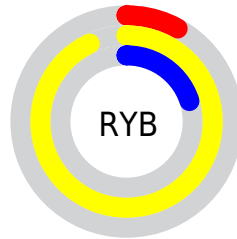
# Distribution



Red (80%)

Green (93%)

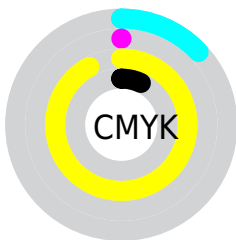
Blue (8%)



Red (8%)

Yellow (93%)

Blue (20%)

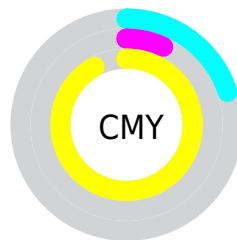


Cyan (13%)

Magenta (0%)

Yellow (92%)

Black (7%)



Cyan (20%)

Magenta (7%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0205, 0.3945, 0.5210 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 73.0205, 0.3945, 0.5210 by changing the saturation by 10% instead.




 73.0205, 0.3945,  
0.5210


 73.0205, 0.3945,  
0.5210

471.0859, 0.3669,  
0.4352


 53.9927, 0.3972,  
0.5379


 123.5063, 0.3877,  
0.4931


 38.5958, 0.3985,  
0.5569


 155.7331, 0.3842,  
0.4816


 26.4455, 0.3972,  
0.5779


 193.1284, 0.3808,  
0.4714

 17.1572, 0.3945,  
0.6055

 236.0766, 0.3776,  
0.4625

 10.3466, 0.3768,  
0.6232

 284.9620, 0.3747,  
0.4545

 5.6294, 0.3509,  
0.6491


 340.1691, 0.3719,

 2.6211, 0.3098,


0.4474


0.6902

402.0823, 0.3693,  
0.4410


 0.9373, 0.0857,  
0.9143

 0.0000, 0.0000,  
0.0000


 73.0205, 0.3945,  
0.5210


 73.0205, 0.3945,  
0.5210

 72.5672, 0.3938,  
0.5255

 73.6401, 0.3934,  
0.5122

 74.3674, 0.3896,  
0.4987

 75.2208, 0.3833,  
0.4810

 76.2128, 0.3747,  
0.4596

■ 77.3543, 0.3642,  
0.4355

■ 78.6552, 0.3524,  
0.4098

■ 80.1243, 0.3399,  
0.3836

■ 81.7699, 0.3272,  
0.3576

■ 83.5996, 0.3146,  
0.3327

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0205, 0.4778, 0.4590



73.0205, 0.3945, 0.5210



73.0205, 0.2967, 0.5214

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.0205, 0.3945, 0.5210



73.0205, 0.1385, 0.2185



73.0205, 0.4099, 0.2500

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73.0205, 0.3945, 0.5210



7.2651, 0.1613, 0.0699

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.0205, 0.2974, 0.2019



73.0205, 0.3945, 0.5210



73.0205, 0.1566, 0.1809

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.0205, 0.3945, 0.5210



73.0205, 0.1538, 0.3022



73.0205, 0.2085, 0.1776



73.0205, 0.4998, 0.3136



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0205, 0.3945, 0.5210



73.0205, 0.2349, 0.4665



73.0205, 0.2085, 0.1776



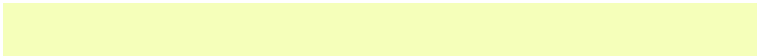
73.0205, 0.3720, 0.2318

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73.0238, 0.3945, 0.5210



94.5021, 0.3470, 0.3983



20.0692, 0.6119, 0.3429



20.1023, 0.3512, 0.4073



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.0238, 0.3945, 0.5210



86.4771, 0.3937, 0.5256



62.7159, 0.3241, 0.5758



17.5109, 0.3246, 0.3524



40.0384, 0.3942, 0.5252



3.1740, 0.3979, 0.5223



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.2651, 0.1613, 0.0699



7.6071, 0.1547, 0.0626



13.7093, 0.2371, 0.1111



14.6528, 0.3002, 0.3048



3.5583, 0.1558, 0.0632

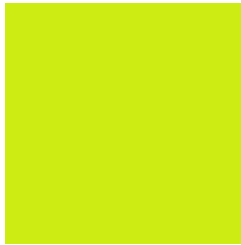


0.3118, 0.1663, 0.0690



# Previews

## White Background



This preview shows how the Yxy color 73.0205, 0.3945, 0.5210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

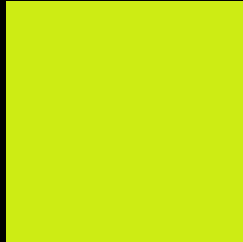
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0205, 0.3945, 0.5210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.0205, 0.3945, 0.5210**

## Background



This preview shows how black text looks on a background with the Yxy color 73.0205, 0.3945, 0.5210.



This preview shows how white text looks on a background with the Yxy color 73.0205, 0.3945, 0.5210.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

73.0205, 0.3945, 0.5210

### Protanopia

72.5931, 0.4400, 0.4869

### Deuteranopia

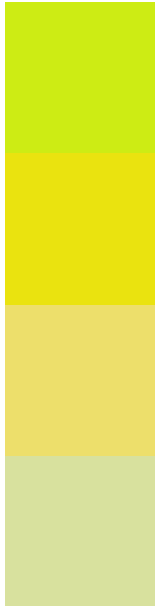
72.2952, 0.3851, 0.3887



## Tritanopia

72.4654, 0.3038, 0.3098

# Trichromacy



## Original Color

73.0205, 0.3945, 0.5210

## Protanomaly

72.4651, 0.4236, 0.4992

## Deuteranomaly

71.8414, 0.3993, 0.4484

## Tritanomaly

70.9180, 0.3507, 0.4049

# Monochromacy



## Original Color

73.0205, 0.3945, 0.5210

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

62.5672, 0.3583, 0.4220

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0205, 0.3945, 0.5210 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 236, 20)` looks like.

```
.text, #text, p{  
    color:rgb(205, 236, 20)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 236, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 236, 20) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0205, 0.3945, 0.5210 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 236, 20) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 236, 20) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(205, 236, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 236, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 236, 20);  
box-shadow:4px 4px 4px 4px rgb(205, 236,  
20) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0205, 0.3945, 0.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 236, 20) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
236, 20) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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